

# INTERNATIONAL SEARCH REPORT

Intern. Application No  
PCT/FR2004/003211

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F17D5/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F17D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EP0-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<del>AB</del> US 6 243 657 B1 (ANDERSON DONALD WILLIAM ET AL) 5 June 2001 (2001-06-05) the whole document	1-15
A	<del>AB</del> US 6 553 322 B1 (IGNAGNI MARIO B) 22 April 2003 (2003-04-22)	
A	<del>AC</del> EP 0 989 353 A (PIPELINE INTEGRITY INT LTD) 29 March 2000 (2000-03-29)	
A	<del>AD</del> CA 1 161 115 A (TRANS CANADA PIPELINES LTD) 24 January 1984 (1984-01-24)	

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&" document member of the same patent family

Date of the actual completion of the international search

1 April 2005

Date of mailing of the international search report

14/04/2005

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Information on patent family members

International Application No

PCT/FR2004/003211

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6243657	B1	05-06-2001	AU 2011999 A CA 2313757 A1 EP 1042691 A2 NO 20003262 A WO 9932902 A2	12-07-1999 01-07-1999 11-10-2000 22-08-2000 01-07-1999
US 6553322	B1	22-04-2003	US 2003164053 A1	04-09-2003
EP 0989353	A	29-03-2000	US 6243483 B1 AU 6051699 A CA 2277713 A1 EP 0989353 A2 GB 2365641 A ,B WO 0018124 A1	05-06-2001 10-04-2000 23-03-2000 29-03-2000 20-02-2002 30-03-2000
CA 1161115	A	24-01-1984	CA 1161115 A1	24-01-1984